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**DECLARATION AND POWER OF ATTORNEY- USA PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled A SYSTEM FOR CONTROLLING A PLENUM OUTPUT FLOW GEOMETRY; the specification of which is attached hereto;

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above;

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56;

**POWER OF ATTORNEY:** I hereby appoint the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, 14<sup>th</sup> Floor, Irvine, California 92614, Telephone (949) 760-0404, **Customer No. 20,995.**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of first inventor: **Frederick J. AmRhein**

Inventor's signature Frederick J. AmRhein

Date 10/17/03

Residence: **17124 E. Oro Grande Drive, Fountain Hills, AZ 85268**

Citizenship: **U.S.**

Post Office Address: **same as above**

Full name of second inventor: **Lewis C. Barnett**

Inventor's signature Lewis C Barnett

Date 11-13-03

Residence: 2053 E Ellis Dr, Tempe, AZ 85282

Citizenship: **U.S.**

Post Office Address: **same as above**

Full name of third inventor: **Mark Alvey**

Inventor's signature Mark Alvey

Date 11/13/03

Residence: **1345 N. Lakeshore Drive, Chandler, AZ 85226**

Citizenship: **U.S.**

Post Office Address: **same as above**

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Send Correspondence To:  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant	:	AmRhein et al.	)
			)
App. No.	:	Unknown	)
			)
Filed	:	Herewith	)
			)
For	:	A SYSTEM FOR CONTROLLING A	)
		PLENUM OUTPUT FLOW	)
		GEOMETRY	)
			)
Examiner	:	Unknown	)

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**ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION**  
**AND**  
**REVOCATION AND POWER OF ATTORNEY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventors to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventors to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, California 92614, Telephone (949) 760-0404, **Customer**

**App. No.** : Unknown  
**Filed** : Herewith

**No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventors and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

ASM AMERICA, INC.

Dated: November 13, 2003

By: 

Todd Westersund

Title: Intellectual Property Officer

Address: 3440 East University Drive  
Phoenix, AZ 85034-7200

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101703

Application No.: Unknown  
Filing Date: Herewith

**COPY**  
**Do Not Record**

**PATENT**  
Client Code: ASMEX.366A  
Page 1

**ASSIGNMENT**

WHEREAS, We, Frederick J. AmRhein, a U.S. citizen, residing at 17124 E. Oro Grande Drive, Fountain Hills, AZ 85268, Lewis C. Barnett, a U.S. citizen, residing at 2053 E. Ellis Dr., Tempe AZ 85282, and Mark Alvey, a U.S. citizen, residing at 1345 N. Lakeshore Drive, Chandler, AZ 85226, have invented certain new and useful improvements in a A SYSTEM FOR CONTROLLING A PLENUM OUTPUT FLOW GEOMETRY for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, ASM AMERICA, INC. (hereinafter "ASSIGNEE"), a DE Corporation, with its principal place of business at 3440 East University Drive, Phoenix, AZ 85034-7200, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17th day of October, 2003.

Frederick J. AmRhein  
Frederick J. AmRhein

STATE OF

COUNTY OF

ss.

On October 17, 2003, before me, Todd Westersund, personally appeared Frederick J. AmRhein personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and ~~official seal.~~

[SEAL]

Todd Westersund  
Witness Notary Signature

**COPY**  
**Do Not Record**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13<sup>th</sup> day of November, 2003.

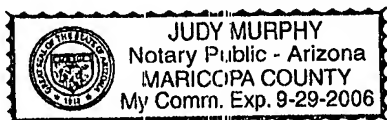
Lewis C Barnett  
Lewis C. Barnett

STATE OF Arizona }  
COUNTY OF Maricopa } ss.

On November 13, 2003 before me, Judy Murphy, personally appeared Lewis C. Barnett personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Judy Murphy  
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13 day of Nov, 2003

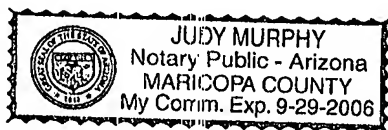
Mark Alvey  
Mark Alvey

STATE OF Arizona }  
COUNTY OF Maricopa } ss.

On November 13, 2003 before me, Judy Murphy, personally appeared Mark Alvey personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Judy Murphy  
Notary Signature